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# **WATER SUPPLY OUTLOOK FOR WYOMING**



**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**STATE ENGINEER of WYOMING**

AS OF  
**MAY 1, 1978**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: SOME OF THE DATA IN THIS REPORT HAVE BEEN RECEIVED THROUGH THE SOIL CONSERVATION SERVICE'S NEW SNOTEL SYSTEM WHICH TRANSMITS INFORMATION VIA THE SPACE AGED METEOR BURST METHOD FROM DATA SITES TO MASTER STATIONS LIKE THESE.*

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



# **WATER SUPPLY OUTLOOK FOR WYOMING**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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## TABLE OF CONTENTS

Prospective Water Supplies for Wyoming - Map

Water Supply Outlook for Wyoming - Statewide Summary

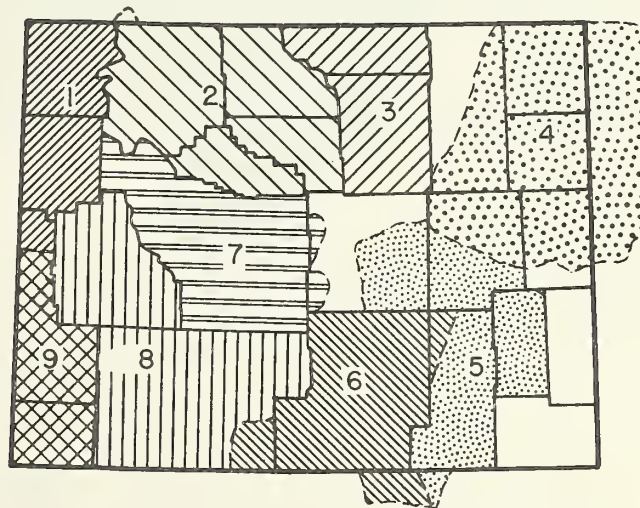
Water Supply Outlook by Major Watershed Areas

- Area 1 Snake, Madison and Upper Yellowstone Watersheds
- Area 2 Bighorn Basin
- Area 3 Powder and Tongue River Watersheds
- Area 4 Belle Fourche and Cheyenne River Watersheds
- Area 5 Lower North Platte River Watershed
- Area 6 Upper North Platte and Little Snake River Basins
- Area 7 Wind River Basin and Sweetwater River Watershed
- Area 8 Upper Green River Basin
- Area 9 Lower Green River and Bear River Watersheds

Basic Data Supplement 1 - Snow data

Basic Data Supplement 2 - Precipitation data

Map and Index of Wyoming Snow Measuring Sites

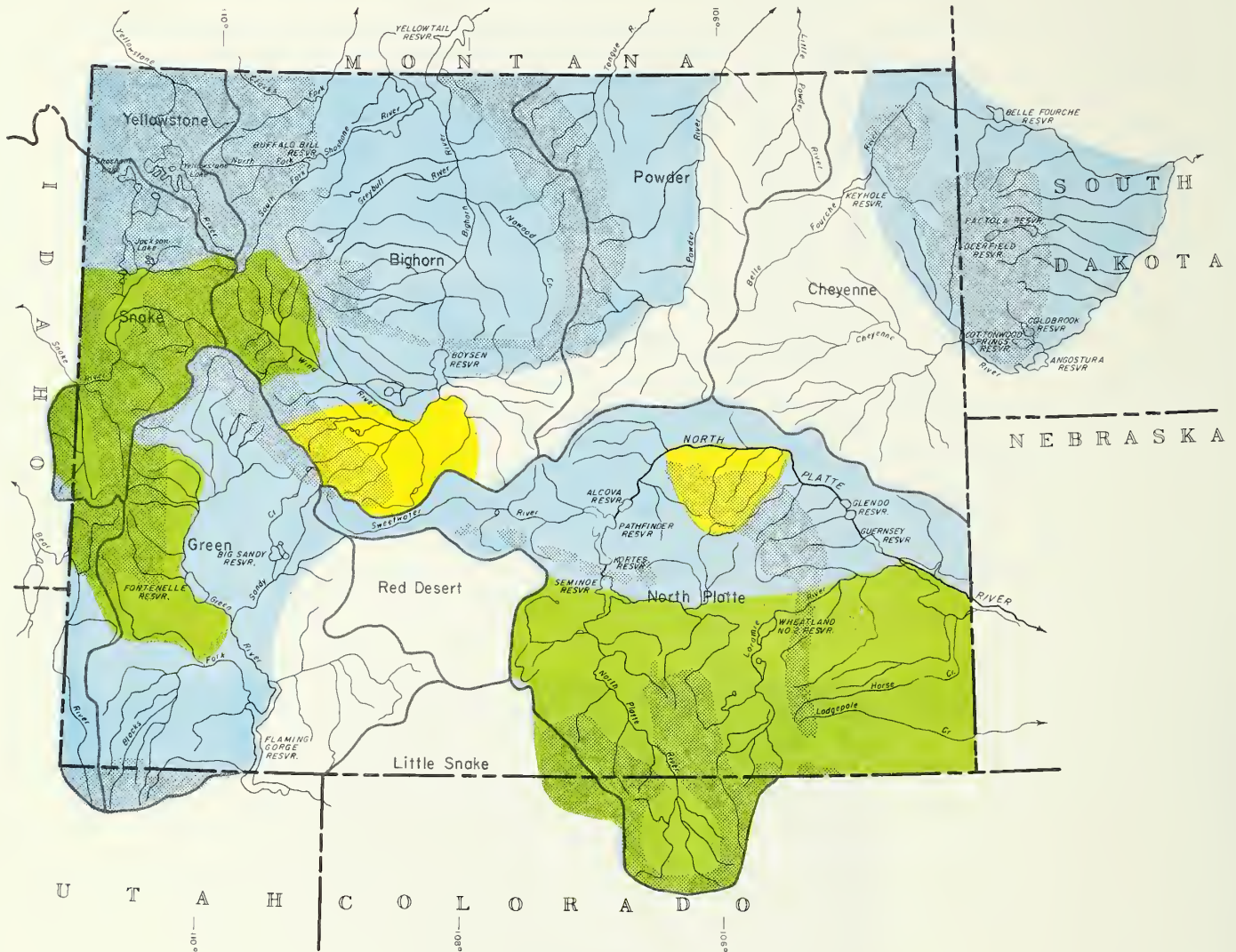


WATERSHED AREA LOCATIONS

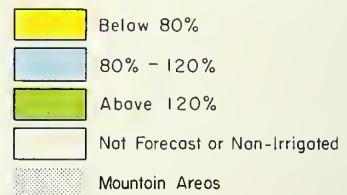
# PROSPECTIVE WATER SUPPLIES FOR WYOMING SPRING AND SUMMER PERIOD

May 1, 1978

50 0 50 MILES  
SCALE 1 : 4,250,000



FORECAST STREAM FLOW  
in Percent of 1958-1972 Year Average







SNOTEL site showing metal snow pillows, isotopic gage & instrument shelter.

# WYOMING SUMMARY as of MAY 1, 1978

\*\*\*\*\*  
\*  
\* Although the mountain snowpack has declined from last month due to \*  
\* below normal precipitation, the water supply outlook remains at \*  
\* or above normal for the spring and summer months throughout most \*  
\* of the state. \*  
\*  
\*\*\*\*\*

## SNOWPACK

As a result of below normal precipitation in April, the mountain snowpack declined throughout the state. End of the month storms provided only minor offsets for the early season snowmelt. The basin summaries, as a percent of the May 1 averages are:

Snake	112%
Green	116
Bighorn	83
Powder & Tongue	84
North Platte	117
Bear	112

Continued on next page---

### STREAMFLOW

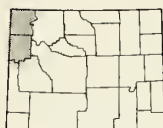
Streamflow forecasts generally range from 10 percent below to 20 percent above normal for the spring and summer months. The exceptions are the Little Popo Agie and Deer Creek at three-fourths of normal and some areas in the southeast and west side that are much above average.

### RESERVOIR STORAGE

The storage in the Snake Basin is at only half of the May 1 average. Reservoir storage in the Belle Fourche system is 40 percent above normal. The remaining portions of the state are near normal.

# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS IN WYOMING

MAY 1, 1978



LOCATION MAP



## LEGEND

- SNOTEL
- Snow Course
- Snow Sensor
- Aerial Marker (A)
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Outings
- Highway
- Conservation District Boundary
- Watershed Boundary

0 10 20 MILES  
SCALE 1:1,815,000



## YOUR WATER SUPPLY

THE SNOWPACK PERCENTAGES HAVE DECLINED SOMEWHAT FROM LAST MONTH AS A RESULT OF BELOW NORMAL APRIL PRECIPITATION. STREAMFLOW VOLUME FORECASTS REMAIN ABOVE NORMAL FOR THE AREA. RESERVOIR STORAGE IS ONLY HALF THE MAY 1 AVERAGE.

# SNAKE, MADISON AND UPPER YELLOWSTONE RIVER WATERSHEDS

## STREAMFLOW FORECASTS

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year**	Average †
Yellowstone River at Yellowstone Lake Outlet	900	110	Apr-Sept	387	821
Snake River near Moran (1)	1010	118	Apr-Sept	340	858
Snake River above Palisades near Alpine (1)	3120	119	Apr-Sept	1037	2621
Snake River at Heise (2)	4370	120	May-Sept	-	3640
Pacific Creek at Moran	208	123	Apr-Sept	-	169
Greys River above Palisades	525	135	Apr-Sept	90	388
Salt River above Palisades near Etna	520	142	Apr-Sept	121	365
Palisades Reservoir Inflow (1)	4600	125	Apr-Sept	1031	3683
Swift Creek near Afton	- Not Forecast -		May-Sept	19.3	45

(1) Observed flow plus change in storage in Jackson Lake.

(2) Observed flow plus change in storage in Jackson Lake and Palisades Reservoir.

\*\* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Madison (Wyo. only)	4	3700	100
Yellowstone (Wyo. only)	5	-	99
Snake ab. Jackson Lake	2	657	119
Buffalo Creek	1	290	114
Gros Ventre River	3	361	92
Hoback River	4	2257	83
Greys River	2	603	118
Salt River	4	3233	117

## RESERVOIR STORAGE (Thousand Ac. Ft.)

END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Grassy Lake	15.1	9.9	11.4	10.9
Jackson Lake	847.0	330.2	646.7	501.7
Palisades	1200.0	315.6	1126.1	774.4

+ 1958-1972 period.

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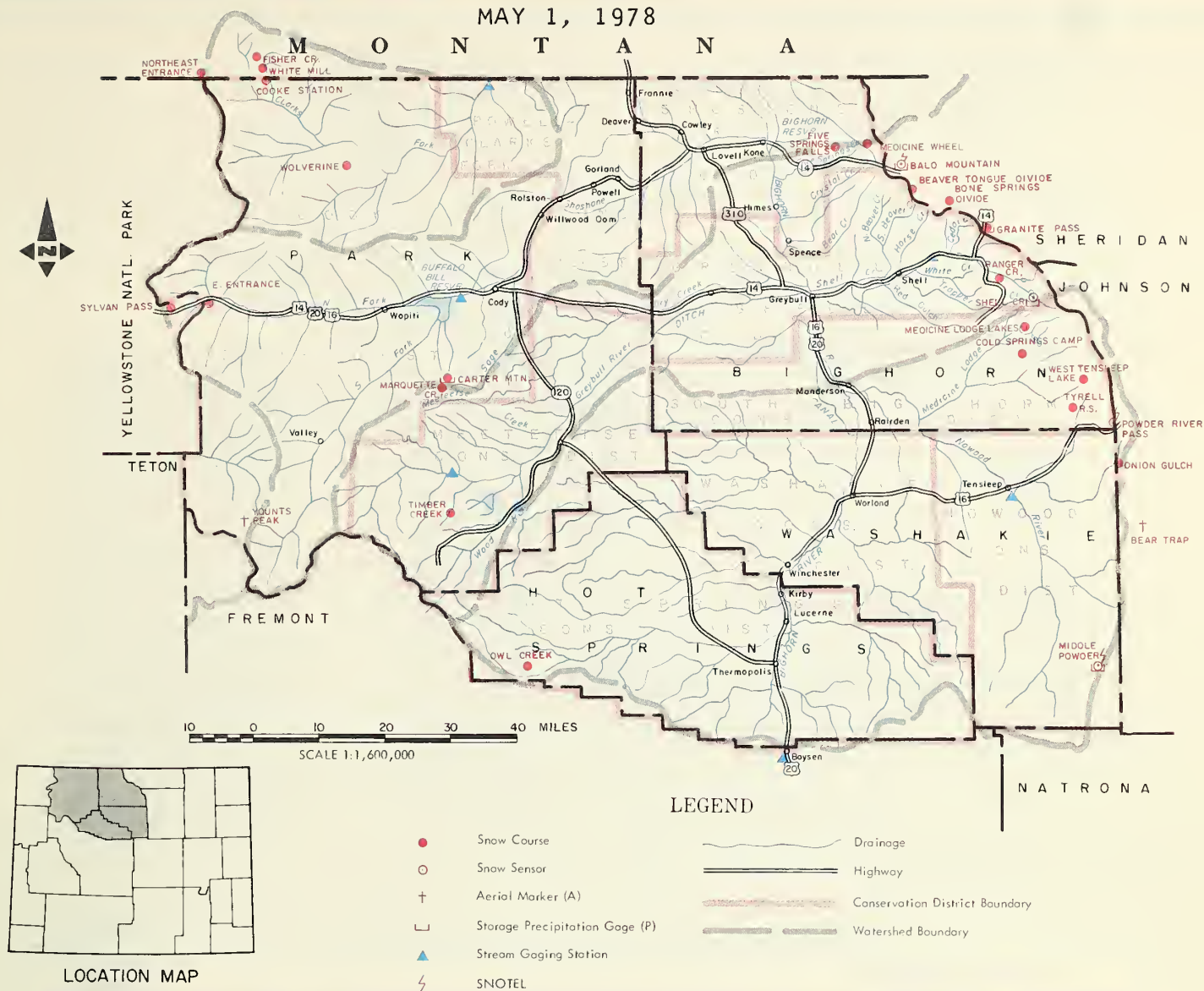
# FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"



# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BIG HORN BASIN IN WYOMING

MAY 1, 1978



## YOUR WATER SUPPLY

MAY 1 SNOWPACK IS 12% ABOVE NORMAL IN THE CLARKS FORK BUT IS BELOW NORMAL IN THE GREYBULL DRAINAGE. THE GREYBULL RIVER IS FORECAST AT 4% BELOW NORMAL. SHELL CREEK IS HIGHEST AT 21% ABOVE AVERAGE. RESERVOIR STORAGE IS ABOVE NORMAL.

# BIGHORN BASIN

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River below Boysen (1)	1000	99	Apr-Sept	479	1006
Tensleep Creek near Tensleep	85	108	Apr-Sept	-	79
Medicine Lodge Creek near Hyattville	25	119	Apr-Sept	-	21
Shell Creek near Shell	88	121	Apr-Sept	55	73
Greybull River at Meeteetse	200	96	Apr-Sept	134	209
Shoshone River below Buffalo Bill Dam (2)	960	116	Apr-Sept	381	827
Clarks Fork near Belfry	710	117	Apr-Sept	-	607

(1) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Buffalo Bill Reservoir and diversion to Heart Mountain Canal.

\*\* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Clarks Fork	5	280	112
Shoshone	4	434	64
Nowood	5	184	87
Shell	5	93	90

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches) Last Yr.	Ave†
Bald Mountain	5/02	87	34.3	37.8	28.2
Bone Spring Divide	5/02	70	21.7	20.5	22.9
Carter Mountain	4/29	0	0.0	4.1	6.6
Cooke Station	4/28	60	27.9	10.0	22.0
East Entrance	5/01	0	0.0	0.0	3.3
Fisher Creek	4/28	105	47.0	22.8	42.4
Five Springs Falls	4/28	22	8.9	10.8	7.8
Marquette Creek	4/29	17	4.5	6.8	-
Medicine Lodge Lakes	5/02	50	18.3	7.4	14.2
Middle Powder	4/30	45	16.0	-	16.1
Northeast Entrance	5/01	16	6.8	0.0	7.8
Onion Gulch	5/02	35	12.1	5.1	10.9
Owl Creek	4/30	0	0.0	1.5	8.1
Powder River Pass	5/02	36	12.8	7.0	15.6
Ranger Creek	4/30	33	12.4	6.2	9.9
Shell Creek	4/30	69	21.0	13.6	18.1
Sylvan Pass	5/01	22	11.0	0.0	10.0
Timber Creek	4/30	0	0.0	0.0	4.4
Tyrell Ranger Station	5/02	26	10.3	5.3	9.9
White Mill	4/28	86	37.1	13.3	30.0
Wolverine	4/30	25	10.4	0.0	13.1

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Boysen	549.9	184.0	338.4	185.1
Buffalo Bill	373.1	145.4	191.7	120.0
Bighorn	1356.0	801.8	888.4	783.9
Upper Sunshine	53.0	26.4	46.8	-
Lower Sunshine	58.9	17.4	47.0	-

+ 1958-1972 period

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M O N T A N A



AVERAGE TO ABOVE AVERAGE SUMMER STREAMFLOWS ARE FORECAST FOR THIS REGION. DIMINISHED SNOWPACKS, SUPPLEMENTED BY VERY HEAVY LATE APRIL SNOWFALLS, REMAIN NEAR TO BELOW MAY 1 AVERAGES.



# POWDER AND TONGUE RIVER WATERSHEDS

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST		THOUSAND ACRE FEET		
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year	Average +
Tongue River near Dayton	125	111	Apr-Sept	107	113
Middle Fork Powder River near Barnum	- Not Forecast -		Apr-Sept	-	23*
North Fork Powder River near Hazelton	10.0	100	Apr-Sept	7.7	10
Clear Creek near Buffalo	- Not Forecast -		Apr-Sept	25.4	36
Rock Creek near Buffalo	- Not Forecast -		Apr-Sept	-	23
Piney Creek at Kearny	- Not Forecast -		Apr-Sept	-	49

\*\* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.  
\* Less than 15 years of record.

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average +
Upper Tongue River	7	75	74
Goose Creek	3	111	100
Clear Creek	3	181	84
Crazy Woman Creek	3	231	91
Powder River Basin	5	211	90

## RESERVOIR STORAGE (Thousand Ac. Ft.)

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average +
- No Reservoir Data -				

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches) Last Yr.	Ave +
Bald Mountain	5/02	87	34.3	37.8	28.2
Big Coose	5/02	19	7.1	11.1	9.4
Bone Spring Divide	5/02	70	21.7	20.5	22.9
Burgess Ranger Station	5/02	25	9.4	11.9	9.3
Dome Lake	5/02	39	12.0	11.4	12.7
Five Springs Falls	4/28	22	8.9	10.8	7.8
Middle Powder	4/30	45	16.0	-	16.1
Muddy Creek Guard Station	5/02	9	3.0	0.0	4.2
North Tongue	5/02	39	13.2	14.2	15.1
Onion Culch	5/02	35	12.1	5.1	10.9
Powder River Pass	5/02	36	12.8	7.0	15.6
Sawmill Divide	5/02	58	15.9	16.3	-
Shell Creek	4/30	69	21.0	13.6	18.1
Soldier Park	4/30	23	7.2	4.0	7.8
Sour Dough	4/30	24	6.0	3.4	7.4
Steamboat Point	5/02	19	7.9	14.2	11.3
Sucker Creek	5/02	44	15.3	16.9	16.7
Wood Rock Guard Station	5/02	47	13.7	13.2	13.5

A - Aerial stadia marker. Water content estimated. + 1958-1972 period

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# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS IN WYOMING AND SOUTH DAKOTA



## YOUR WATER SUPPLY

BLACKS HILLS SNOWPACKS ARE STILL WAY BELOW NORMAL FOR MAY 1. STREAMFLOWS ARE EXPECTED TO BE MUCH BELOW NORMAL WITHOUT HIGH SPRING PRECIPITATION. RESERVOIR STORAGE IS EXCELLENT WITH ALL RESERVOIRS NEAR 30% OR MORE ABOVE AVERAGE STORAGE.

# BELLE FOURCHE AND CHEYENNE RIVER WATERSHEDS

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD	
	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average	PERIOD	Average †
- No forecasts for this area -				

### SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Belle Fourche	3	14	12

### SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Water Content (inches) Last Yr.	Ave †
Bearlodge Divide	4/27	0	0.0	0.0	1.5
Mallo Pillow	4/30	0	0.0	-	-
Mount Tom Pillow	4/30	0	0.0	-	-
Reuter Canyon	4/27	4	0.4	6.4	8.1
Sweetwater Mountain Pillow	4/30	0	0.0	-	-
Warren Peak	4/27	9	1.8	9.0	8.5

### RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Keyhole	190.4	143.7	134.6	82.0
Belle Fourche	185.2	179.5	123.7	131.6
Angostura	86.2	81.8	51.3	66.7
Deerfield	15.1	15.2	15.1	11.8
Pactola	55.0	53.3	54.6	40.3
Shadehill	81.5	86.3	66.8	64.5

+ 1958-1972 period

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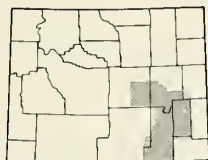
# WATER SUPPLY OUTLOOK

## FOR THE CONSERVATION DISTRICTS IN THE

### LOWER NORTH PLATTE RIVER WATERSHED IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE AND CONSERVATION SERVICE

MAY 1, 1978

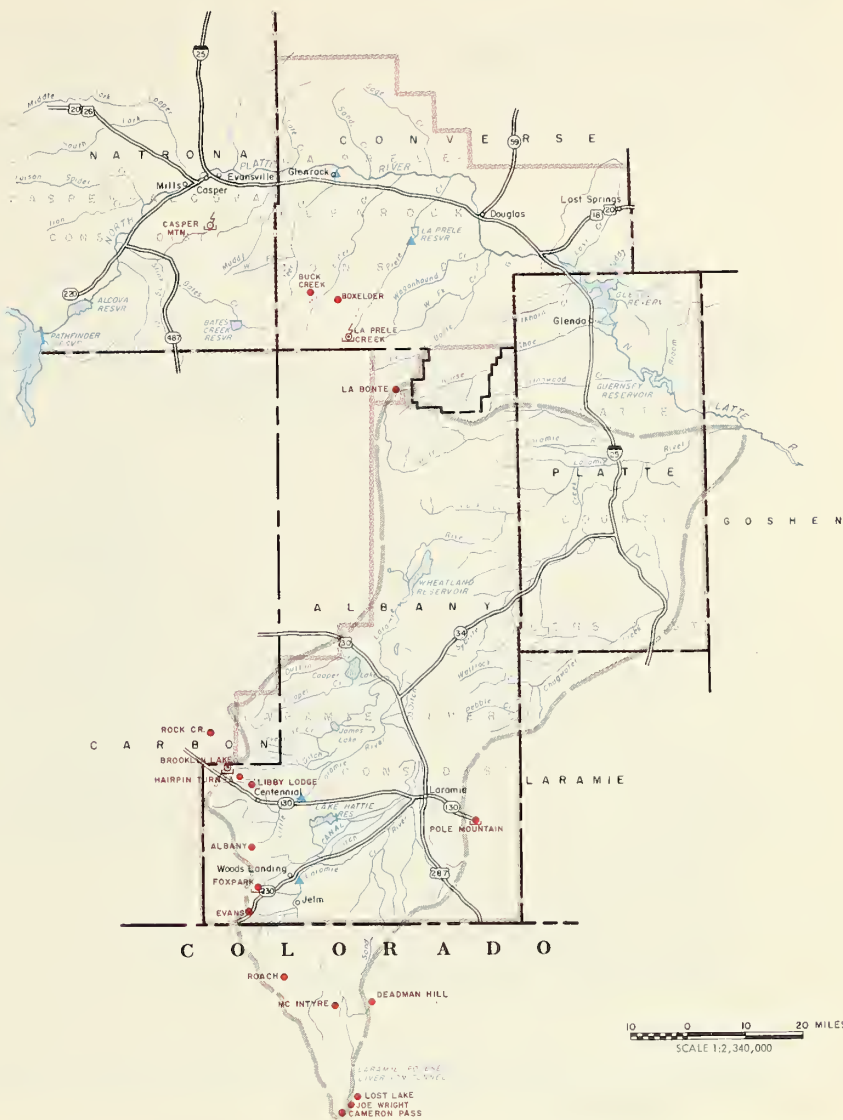


LOCATION MAP



#### LEGEND

- SNOTEL
- Snow Course
- Snow Sensor
- Storage Precipitation Gage (P)
- Stream Gaging Station
- Drainage
- Highway
- Conservation District Boundary
- Watershed Boundary



### YOUR WATER SUPPLY

SPRING AND SUMMER STREAMFLOW FORECASTS ARE ABOVE NORMAL (28% ON NORTH PLATTE). DEER CREEK IS THE EXCEPTION AT 4% BELOW NORMAL. SEMINOE RESERVOIR STORAGE IS 22% BELOW NORMAL WHILE THE OTHERS ARE AT OR ABOVE NORMAL.

# LOWER NORTH PLATTE RIVER WATERSHED

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST		THOUSAND ACRE FEET		
	Thousand Acre Feet	Percent of Average	PERIOD	Last Year **	Average †
North Platte River near Sinclair	830	128	Apr-Sept	257	648
Deer Creek at Glenrock	25	96	Mar-July	30	26
LaPrele Creek near Douglas (Ab. Reservoir)	20	111	Mar-July	13.2	18
Laramie River & Pioneer Canal near Woods (1)	145	114	Apr-Sept	67	127
Little Laramie River near Filmore	78	126	Apr-Sept	32	62

(1) Observed flow plus transbasin diversions from North Platte River Basin to Cache La Poudre River Basin in Colorado.  
 \*\* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Laramie River	9	242	107
Little Laramie River	4	250	130
Lower North Platte	3	70	60

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont (in.)	Water Content (inches) Last Yr.	Ave.†
Albany	4/25	35	16.7	6.7	13.0
Boxelder	5/02	5	2.2	5.7	6.7
Brooklyn Lake	4/25	69	33.1	13.6	24.0
Buck Creek	5/02	17	6.2	10.2	-
Cameron Pass	4/28	75	34.9	22.3	31.2
Casper Mountain	5/01	32	13.4	16.7	17.5
Deadman Hill	4/26	41	16.0	8.6	18.0
Evans	4/28	23	10.4	2.5	11.5
Foxpark	4/25	22	10.0	0.0	6.8
Hairpin Turn	4/27	44	21.6	8.2	17.0
Joe Wright	4/28	74	31.7	18.8	-
LaBonte	4/26	0	0.0	0.0	1.8
Libby Lodge	4/27	24	11.2	4.5	9.3
Lost Lake	4/27	27	11.4	0.7	9.9
McIntyre	4/27	22	9.1	4.2	10.1
Pole Mountain	4/27	0	0.0	0.0	2.4
Roach	4/27	56	22.2	12.2	18.5
Rock Creek	4/25	82	36.6	23.4	29.7

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	245.9	527.8	314.3
Pathfinder	1015.9	529.7	723.3	412.0
Alcova	30.7	25.6	24.2	25.7
Glendo	783.7	439.9	476.4	452.3
Guernsey	45.2	31.1	34.6	32.0
Wheatland #2	98.9	25.3	39.5	50.1
<b>PROJECT WATER OWNERSHIP</b>				
North Platte Project	1016.1	382.4		
Kendrick Project	1201.6	788.8		
Glendo Project Users	454.3	144.7		

+ 1958-1972 period

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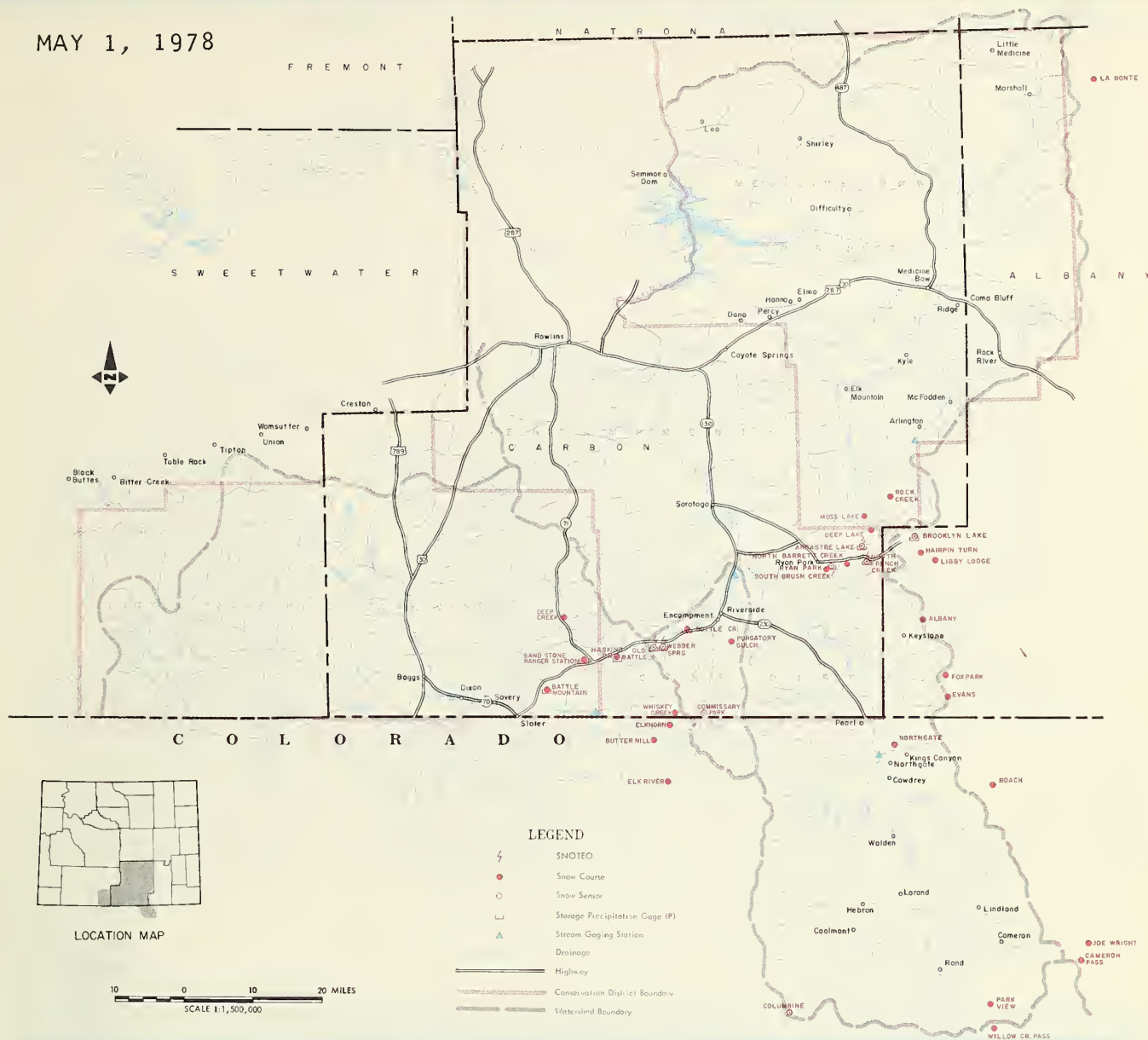
# FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"



# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS IN WYOMING

MAY 1, 1978



## YOUR WATER SUPPLY

SUMMER WATER SUPPLIES WILL BE EXCELLENT IN THIS AREA. THE LITTLE SNAKE IS FORECAST AT 50% ABOVE NORMAL, WHILE THE LOWEST IS 25% ABOVE NORMAL (NORTH PLATTE AT NORTHGATE). UPPER PLATTE SNOWPACK IS STILL AT 18% ABOVE AVERAGE FOR MAY 1. SEMINOE RESERVOIR STORAGE REMAINS BELOW THE USUAL MAY 1 FIGURE.

# UPPER NORTH PLATTE RIVER AND LITTLE SNAKE RIVER BASINS STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
BASIN, STREAM and/or FORECAST POINT					
North Platte River near Northgate	300	125	Apr-Sept	63	240
North Platte River near Sinclair	830	128	Apr-Sept	257	648
Encampment River near Encampment	184	130	Apr-Sept	55	141
Rock Creek near Arlington	70	127	Apr-Sept	32	55
Little Snake near Dixon	450	150	Apr-Sept	55	301
Little Snake near Slater, Colo.	220	152	Apr-Sept	-	145

\*\* Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper North Platte	16	224	118
Medicine Bow River and Rock Creek	4	192	127
Little Snake	2	347	134

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Seminole	1010.5	245.9	527.8	314.3

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (in.)	Water Cont. (in.)	Last Yr.	Ave. †
Albany	4/25	35	16.7	6.7	13.0
Battle Mountain	4/26	13	5.6	0.0	-
Brooklyn Lake	4/25	69	33.1	13.6	24.0
Butter Hill	4/26	34	15.9	1.4	-
Cameron Pass	4/28	75	34.9	22.3	31.2
Deep Creek	4/26	28	13.6	0.0	-
Deep Lake	4/25	130	59.0	30.9	46.6
Elkhorn	4/26	74	41.3	-	-
Elk River	4/27	49	22.9	3.5	15.4
Evans	4/28	23	10.4	2.5	11.5
Foxpark	4/25	22	10.0	0.0	6.8
Hairpin Turn	4/27	44	21.6	8.2	17.0
Haskins Creek	4/26	97	46.2	13.5	-
LaBonte	4/26	0	0.0	0.0	1.8
Libby Lodge	4/27	24	11.2	4.5	9.3
Moss Lake	4/25	73	35.7	17.7	28.7
North Barrett Creek	4/25	61	27.0	18.9	23.5
North French Creek Pillow	4/27	-	36.3	20.3	26.5
Old Battle	4/25	104	48.6	17.1	37.8
Purgatory Gulch	4/25	23	10.4	4.0	-
Rock Creek	4/25	82	36.6	23.4	29.7
Ryan Park	4/25	20	9.4	5.5	8.8
Sandstone Ranger Station	4/26	32	16.6	0.0	-
Webber Spring	4/25	52	26.6	8.5	18.4
Whiskey Creek	4/26	82	38.8	-	-

+ 1958-1972 period

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# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED IN WYOMING

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE  
WATER SUPPLY OUTLOOK

MAY 1, 1978



## YOUR WATER SUPPLY

THE POPO AGIE AND LITTLE WIND RIVER SNOWPACKS CONTINUE TO BE BELOW NORMAL. SUMMER STREAMFLOWS ON THE LITTLE POPO AGIE ARE EXPECTED TO BE 25% BELOW NORMAL (LOWEST IN THE STATE). THE UPPER WIND IS MUCH ABOVE NORMAL HOWEVER. FLOWS INTO BOYSEN ARE FORECAST AT NORMAL FOR THIS SUMMER. RESERVOIR VOLUMES ARE NEAR THE MAY 1 AVERAGE.



# WIND RIVER BASIN AND SWEETWATER RIVER WATERSHED

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Wind River near Dubois	145	142	Apr-Sept	42	102
Wind River at Riverton (1)	780	117	Apr-Sept	292	664
Wind River below Boysen (2)	1000	99	Apr-Sept	479	1006
Bull Lake Creek near Lenore (3)	170	93	Apr-Sept	105	182
Little Popo Agie near Lander	36	75	Apr-Sept	20	48

(1) Observed flow plus change in storage in Bull Lake and Pilot Butte Reservoirs and diversion to Wyoming Canal.

(2) Observed flow plus change in storage in Bull Lake, Pilot Butte and Boysen Reservoirs; plus diversion to Wyoming Canal.

(3) Observed flow plus change in storage in Bull Lake

\*\* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Wind River	9	442	105
Popo Agie	5	176	54
Sweetwater	3	415	98
Wind River ab. Boysen	15	318	82

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Last Yr.	Ave.†
Big Warm Springs	4/26	13	4.5	0.0	5.9
Blue Ridge	4/28	21	7.4	2.0	13.0
Burroughs Creek	4/27	40	19.4	1.1	13.6
Castle Creek	4/27	4	1.5	0.0	-
Dinwoody	5/02	51	13.9	3.9	14.3
DuNoir	4/26	22	8.9	0.0	7.7
Geyser Creek	4/26	13	4.8	0.3	6.1
Grannier Meadows	4/28	36	14.3	4.8	15.2
Hobbs Park	5/02	46	9.4	7.2	17.4
Larsen Creek	5/02	41	13.2	0.0	11.5
Little Warm	4/26	59	22.0	7.1	19.2
Middle Fork	4/28	0	0.0	1.6	8.9
Owl Creek	4/30	0	0.0	1.5	8.1
Sawmill Glade	4/28	0	0.0	2.4	8.6
Sheridan R.S.	4/26	0	0.0	0.0	4.9
South Pass	4/28	36	13.6	5.1	15.4
St. Lawrence R.S.	5/02	15	3.0	2.3	7.9
T-Cross Ranch	4/27	5	1.7	0.0	3.1
Togwotee Pass	4/27	83	38.8	13.4	33.9

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Bull Lake	151.8	78.6	55.8	69.2
Pilot Butte	31.6	23.9	31.0	26.2
Boysen	549.9	184.0	338.4	185.1

+ 1958-1972 period

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# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE UPPER GREEN RIVER BASIN IN WYOMING

MAY 1, 1978



## YOUR WATER SUPPLY

PROSPECTS FOR SUMMER WATER SUPPLIES REMAIN EXCELLENT. SNOWPACKS ARE AS HIGH AS 35% ABOVE NORMAL. FORECASTS RANGE FROM 5% ABOVE ON THE BIG SANDY TO 35% ABOVE AVERAGE ON THE GREEN RIVER. RESERVOIR STORAGE IS ALSO ABOVE AVERAGE.

# UPPER GREEN RIVER BASIN IN WYOMING

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
Green River at Warren Bridge	390	119	Apr-Sept	165	327
Green River near LaBarge	1260	135	Apr-Sept	288	931
Green River near Green River (1)	1340	135	Apr-Sept	279	989
Flaming Gorge Inflow	1390	118	Apr-July	1233	1174
LaBarge Creek at LaBarge Meadows	11.8	131	Apr-Sept	2.6	9.0
Big Sandy River near Big Sandy	60	105	Apr-Sept	26	57

(1) Observed flow plus change in storage in Fontenelle Reservoir.

\*\* Measured flows for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Upper Green, East side	8	1480	136
Upper Green, West side	6	1760	115
Big Sandy	2	1002	153

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Water Content (inches) Last Yr.	Ave. †
Big Sandy Opening	5/02	51	20.2	1.9	15.0
East Rim Divide	4/27	36	17.0	0.0	11.5
Elkhart Park G.S.	5/02	49	21.4	4.0	16.2
Grannier Meadows	4/28	36	14.3	4.8	15.2
Gros Ventre Summit	4/28	35	10.2	1.4	11.9
Kendall Ranger Station	4/28	28	13.3	0.0	9.8
Larsen Creek	5/02	41	13.2	0.0	11.5
Loomis Park	4/27	52	25.8	0.0	16.6
New Fork Lake	4/28	31	13.2	0.0	11.8
Pocket Creek	5/02	54	23.9	2.5	13.9
Poison Meadows	4/27	92	41.0	6.8	32.6
Rowdy Creek	4/27	70	33.6	5.4	20.8
Snider Basin Ranger Sta.	4/27	41	19.6	0.0	15.2
South Pass	4/28	36	13.6	15.1	15.4
Spring Creek Divide Pillow	4/27	-	30.7	-	-
Triple Peaks	4/28	88	44.0	0.0	26.9

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Eden	11.8	6.2	6.9	3.8*
Big Sandy	38.3	34.0	24.4	19.6
Fontenelle	344.8	204.4	199.5	-
Flaming Gorge	3749.0	2065.0	2637.6	1629.0

\*Less than 15 years in period average.

+ 1958-1972 period

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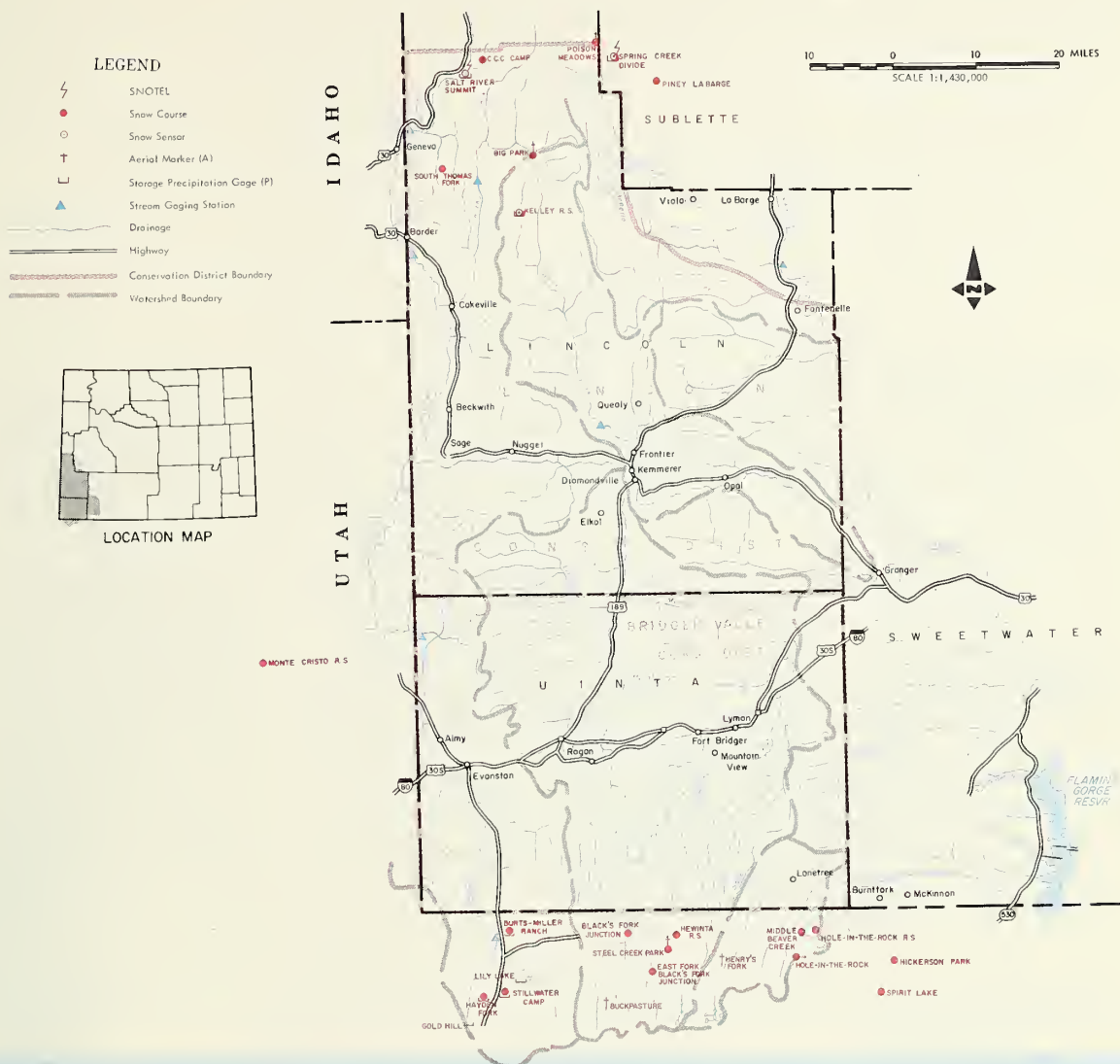


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# WATER SUPPLY OUTLOOK FOR THE CONSERVATION DISTRICTS IN THE LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS IN WYOMING

MAY 1, 1978



## YOUR WATER SUPPLY

SUMMER FORECASTS REMAIN VERY SIMILAR TO APRIL 1 FIGURES. STREAMS ORIGINATING IN THE UINTAS WILL FLOW ABOUT 10% BELOW NORMAL WHILE WYOMING AND SALT RANGE DRAINAGES WILL BE ABOUT 30% ABOVE AVERAGE. SNOWPACK STATISTICS ARE SIMILAR. FLAMING GORGE IS ABOVE NORMAL WHILE VIVA NAUGHTON RESERVOIR STORAGE IS BELOW NORMAL.

# LOWER GREEN RIVER AND BEAR RIVER WATERSHEDS

## STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year **	Average †
LaBarge Creek at LaBarge Meadows	11.8	131	Apr-Sept	2.6	9.0
Green River near Green River (1)	1340	135	Apr-Sept	279	989
Hams Fork below Pole Creek, near Frontier	92	133	Apr-Sept	-	69
Blacks Fork near Millburne	80	90	May-July	43	89
Flaming Gorge Inflow	1390	118	Apr-July	1233	1174
Smiths Fork near Border	150	130	Apr-Sept	27	116
Thomas Fork near State Line	42	131	Apr-Sept	3.8	32
Bear River at Utah-Wyoming State Line	97	92	May-July	35	106
Henry's Fork near Manila, Utah	40	89	Apr-Sept	3.6	45

(1) Observed flow plus change in storage in Fontenelle Reservoir.

\*\* Measured flow for last year are U.S. Geological Survey provisional figures subject to revision.

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF	
		Last Year	Average †
Bear River	4	1089	95
Smiths & Thomas Forks	3	2153	135

## RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
Fontenelle	344.8	204.4	199.5	-
Flaming Gorge	3749.0	2065.0	2637.6	1629.0
Viva Naughton	42.4	21.4	31.6	27.0 *

\*For period of record-furnished by Utah Power & Light

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## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont (In.)	Last Yr.	Ave†
Big Park	4/27	63	27.4	2.2	22.0
Blacks Fork G.S. - East Fk.	4/27	26	9.8	2.5	9.8
Blacks Fork Junction	4/26	16	6.4	1.2	8.2
Buck Pasture Aerial	5/01	48	18.2	2.4	-
Burts-Miller Ranch	4/26	0	0.0	0.0	1.6
CCC Camp	4/27	21	10.2	0.0	9.7
Hayden Fork	4/26	37	16.9	4.6	15.8
Henrys Fork Aerial	5/01	43	16.3	3.2	-
Hewinta Guard Station	4/26	22	8.3	2.9	10.2
Hickerson Park	4/28	16	3.9	2.2	5.2
Kelley Ranger Station	4/27	55	26.4	0.0	18.4
Poison Meadows	4/27	92	41.0	6.8	32.6
Salt River Summit	4/27	41	19.4	1.2	13.9
South Thomas Fork	4/27	EST	19.0	0.0	-
Spirit Lake	4/28	39	12.1	5.5	15.4
Steel Creek Park	4/26	57	18.5	8.9	18.9
Stillwater Camp	4/26	12	4.3	0.0	8.4
Trial Lake	4/28	73	30.4	5.7	25.7

+ 1958-1972 period

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# BASIC DATA SUPPLEMENT 1

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave†
Afton Ranger Station	4/27	0	0.0	0.0	0.0
Albany	4/25	35	16.7	6.7	13.0
Arrastre Lake Pillow	- No	Report	-	22.2	-
Bald Mountain*	5/02	87	34.3	37.8	28.2
Bald Mountain Pillow	5/01	-	29.4	26.1	-
Battle Mountain*	4/26	13	5.6	0.0	-
Bearlodge Divide	4/27	0	0.0	0.0	1.5 a
Big Goose*	5/02	19	7.1	11.1	9.4
Big Park*	4/27	63	27.4	2.2	22.0
Big Sandy Opening*	5/02	51	20.2	1.9	15.0
Big Sandy Opening Pillow	5/02	-	17.8	2.2	-
Big Warm Springs*	4/26	13	4.5	0.0	5.9
Blacks Fork G.S. -East Fk.	4/26	26	9.8	2.5	9.8
Blacks Fork Junction	4/26	16	6.4	1.2	8.2
Blue Ridge*	4/28	21	7.4	2.0	13.0
Bone Spring Divide*	5/02	70	21.7	20.5	22.9
Boxelder	5/02	5	2.2	5.7	6.7
Brooklyn Lake*	4/25	69	33.1	13.6	24.0
Bryan Flat*	4/27	0	0.0	0.0	2.4
Buck Creek	5/02	17	6.2	10.2	-
Burgess Ranger Station	5/02	25	9.4	11.9	9.3
Burgess R.S. Pillow	- No	Report	-	15.5	-
Burroughs Creek	4/27	40	19.4	1.1	13.6
Burroughs Creek Pillow	4/27	-	18.9	-	-
Burts-Miller Ranch	4/26	0	0.0	0.0	1.6
Butter Hill*	4/26	34	15.9	1.4	-
Cameron Pass	4/28	75	34.9	22.3	31.2
Canyon	4/30	38	16.9	0.0	16.0
Canyon Pillow	4/30	-	14.0	-	-
Carter Mountain	4/29	0	0.0	4.1	6.6
Casper Mountain	5/01	32	13.4	16.7	17.5
Casper Mountain Pillow	5/01	-	10.5	12.6	-
Castle Creek	4/27	4	1.5	0.0	-
CCC Camp*	4/27	21	10.2	0.0	9.7
Chambers Lake	4/27	17	8.4	0.0	6.0
Columbine Lodge	5/01	60	30.8	4.0	22.0
Cooke Station	4/27	60	27.9	10.0	22.0
Crevice Mountain	- No	Report	-	-	-
Darby Canyon	5/01	62	25.6	10.3	-
Deadman Hill	4/26	41	16.0	8.6	18.0
Deep Creek*	4/26	28	13.6	0.0	-
Deep Lake*	4/25	130	59.0	30.9	46.6
Dinwoody*	5/02	51	13.9	3.9	14.3
Dinwoody Pillow	5/02	-	14.5	5.8	-
Dome Lake*	5/02	39	12.0	11.4	12.7
Dome Lake Pillow	- No	Report	-	11.5	-
DuNoir	4/26	22	8.9	0.0	7.7
East Entrance*	5/01	0	0.0	0.0	3.3
East Rim Divide*	4/27	36	17.0	0.0	11.5
Elbo Ranch	- No	Report	-	0.0	-
Elkhart Park G.S.*	5/02	49	21.4	4.0	16.2
Elkhorn*	4/26	74	41.3	-	-
Elk River	4/27	49	22.9	3.5	15.4
Evans	4/28	23	10.4	2.5	11.5
Fisher Creek	4/28	105	47.0	22.8	42.4
Fisher Creek Pillow	4/28	-	42.8	-	-
Five Springs Falls	4/28	22	8.9	10.8	7.8
Foxpark*	4/25	22	10.0	0.0	6.8
Fred's Mountain	5/01	59	30.1	8.5	-
Geyser Creek	4/26	13	4.8	0.3	6.1
Glade Creek	4/27	47	23.9	0.1	-
Grannier Meadows*	4/28	36	14.3	4.8	15.2
Grassy Lake	4/27	79	41.6	7.0	34.3
Greys Boundary*	4/27	0	0.0	0.0	2.2
Gros Ventre Summit*	4/28	35	10.2	1.4	11.9
Gros Ventre Summit Pillow	- No	Report	-	-	-
Grover Park Divide	4/27	17	9.2	0.0	9.6

## SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST REC.	
	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (inches)	
				Last Yr.	Ave†
Hairpin Turn	4/27	44	21.6	8.2	17.0
Haskins Creek*	4/26	97	46.2	13.5	-
Hayden Fork	4/26	37	16.9	4.6	15.8
Hewinta Guard Station	4/26	22	8.3	2.9	10.2
Hickerson Park	4/28	16	3.9	2.2	5.2
Hobbs Park*	5/02	46	9.4	7.2	17.4
- Hobbs Park Pillow	- No	Report	-	11.4	-
Indian Meadows	5/01	86	42.7	13.0	-
Jackpine Creek	5/01	44	21.4	6.9	-
Joe Wright	4/28	74	31.7	18.8	-
Kelley Ranger Station	4/27	55	26.4	0.0	18.4
Kelley Ranger Sta. Pillow	- No	Report	-	-	-
Kendall Ranger Station	4/28	28	13.3	0.0	9.8
LaBonte	4/26	0	0.0	0.0	1.8
Lake Camp	4/30	22	9.7	0.0	8.4
LaPrele Pillow	5/01	-	10.9	7.5	-
Larsen Creek*	5/02	41	13.2	0.0	11.5
Lewis Lake Divide	4/27	103	51.1	7.1	43.5
Lewis Lake Divide Pillow	4/27	-	48.2	-	-
Libby Lodge	4/27	24	11.2	4.5	9.3
Little Warm	4/26	59	22.0	7.1	19.2
Little Warm Pillow	- No	Report	-	-	-
Loomis Park*	4/27	52	25.8	0.0	16.6
Lost Lake	4/27	27	11.4	0.7	9.9
Lupine Creek	5/03	15	6.2	0.0	7.7
Mallo Pillow	4/30	0	0.0	-	-
Marquette Creek	4/29	17	4.5	6.8	-
McIntyre	4/27	22	9.1	4.2	10.1
Medicine Lodge Lakes*	5/02	50	18.3	7.4	14.2
Middle Fork*	4/28	0	0.0	1.6	8.9
Middle Powder	4/30	45	16.0	-	16.1 a
Middle Powder Pillow	- No	Report	-	-	-
Miles Creek	5/01	11	4.6	-	-
Monte Cristo	4/24	60	28.9	0.0	27.0
Moss Lake*	4/25	73	35.7	17.7	28.7 a
Mount Tom Pillow	- No	Report	-	0.0	-
Muddy Creek Guard Station*	5/02	9	3.0	0.0	4.2
New Fork Lake*	4/28	31	13.2	0.0	11.8
Norris Basin	5/01	15	7.2	0.0	7.3
North Barrett Creek	4/25	61	27.0	18.9	23.5
Northeast Entrance	5/01	16	6.8	0.0	7.8
Northeast Entrance Pillow	5/01	-	5.2	-	-
North French Creek Pillow	4/27	-	36.3	20.3	26.5
Northgate	4/28	7	2.2	0.2	3.7
North Tongue*	5/02	39	13.2	14.2	15.1
Old Battle*	4/25	104	48.6	17.1	37.8
Old Battle Pillow	4/25	-	26.5	-	-
Old Faithful	5/01	22	10.2	0.0	-
Onion Gulch*	5/02	35	12.1	5.1	10.9
Owl Creek	4/30	0	0.0	1.5	8.1
Park View	4/27	12	4.6	1.1	6.5
Phillips Bench	4/28	105	41.4	15.0	-
Phillips Bench Pillow	4/28	-	41.4	6.2	-
Pocket Creek*	5/02	54	23.9	2.5	13.9
Poison Meadows*	4/27	92	41.0	6.8	32.6
Pole Mountain	4/27	0	0.0	0.0	2.4
Powder River Pass	5/02	36	12.8	7.0	15.6
Powder River Pass Pillow	- No	Report	-	5.0	-
Purgatory Gulch	4/25	23	10.4	4.0	-
Rabbit Ears	5/01	80	38.8	8.8	27.1
Ranger Creek	4/30	33	12.4	6.2	9.9
Reuter Canyon*	4/27	4	0.4	6.4	8.1
Roach	4/27	56	22.2	12.2	18.5
Rock Creek*	4/25	82	36.6	23.4	29.7
Rowdy Creek	4/27	70	33.6	5.4	20.8 b
Ryan Park*	4/25	20	9.4	5.5	8.8
Salt River Summit	4/27	41	19.4	1.2	13.9

2

\* Snow course has been shortened or revised; prior records and averages adjusted.  
a Less than 15 years in period of average.  
b 1958-1972 adjusted average.

# BASIC DATA SUPPLEMENT 2

## PRECIPITATION (Inches)

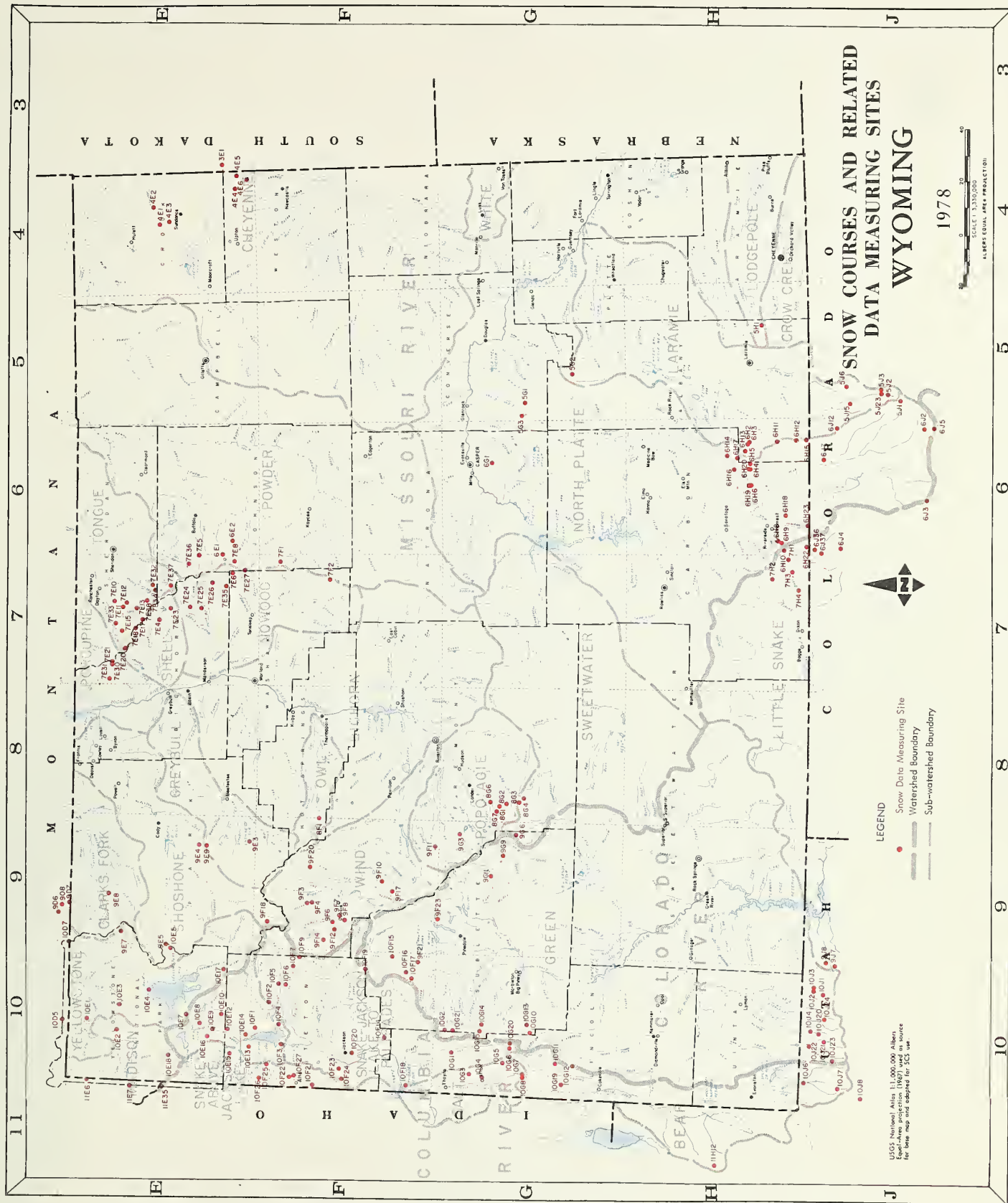
PRECIPITATION (Inches)		CURRENT INFORMATION		PAST RECORD	
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Precipitation	Last Year	Average †
<u>UPPER YELLOWSTONE</u>					
Canyon	8090	4/30	2.25	-	-
<u>LOWER YELLOWSTONE</u>					
Bald Mountain	9375	- No Report -		1.10	-
Burgess Ranger Station	7880	- No Report -		-	-
Burroughs Creek	8750	4/27	1.25	2.50	-
Carter Mountain	7950	4/29	1.65	1.90	-
Dinwoody	10000	5/02	2.75	-	-
Dome Lake	8850	- No Report -		0.85	-
Hobbs Park	10100	5/02	4.25	-	-
Little Warm	9425	- No Report -		-	-
Louis Lake	8500	4/27	1.12	-	3.45*
Middle Powder	7800	- No Report -		-	-
Onion Gulch	8780	- No Report -		2.00	-
Powder River Pass	9475	- No Report -		2.75	3.57*
Shell Creek	9600	- No Report -		5.00	-
St. Lawrence R.S.	8960	5/02	3.00	-	-
Sucker Creek	8880	- No Report -		-	-
Sylvan Lake	8420	- No Report -		1.63	-
Timber Creek	7950	4/30	1.60	3.15	-
Togwotee Pass	9600	4/27	2.85	1.85	4.58*
<u>NORTH PLATTE</u>					
Arrastre Lake	10275	- No Report -		4.56	-
Brooklyn Lake	10220	4/25	2.88	6.19	4.27*
Casper Mountain	7850	5/01	5.40	2.63	5.64*
North French Creek	10130	4/25	2.76	4.56	4.88*
Old Battle	9900	- No Report -		4.37	5.90*
Pole Mountain	8360	4/27	0.40	1.90	3.10*
Rock Creek	10100	4/25	2.52	4.80	-
South Brush Creek	8440	4/25	1.50	4.81	-
Webber Spring	9240	4/25	3.12	2.87	-
<u>GREEN RIVER</u>					
Battle Mountain	7440	- No Report -		1.87	-
Big Sandy Opening	9100	5/02	3.00	-	2.30*
East Rim Divide	7950	4/28	1.05	0.35	1.68*
Elkhart Park G.S.	9400	5/02	3.25	-	2.06*
Gros Ventre	8775	- No Report -		1.25	-
Haskins Creek	8800	- No Report -		2.54	-
Sandstone R.S.	8140	- No Report -		1.98	-
Snider Basin	8060	4/27	2.12	0.55	2.19*
Spring Creek Divide	9000	- No Report -		1.00	-
<u>SNAKE RIVER</u>					
Grassy Lake	7265	4/27	3.65	1.45	4.26*
Grover Park Divide	7000	4/27	3.75	0.85	-
Lewis Lake Divide	7860	4/27	3.90	1.10	-
Moran (NWS)	6500	4/30	1.72	0.64	1.99
Phillips Bench	8200	4/28	3.50	0.80	-
Salt River Summit	7600	4/27	2.80	0.87	2.40*
Snake River Station (NWS)	6920	4/30	2.07	0.70	2.65*
<u>BEAR RIVER</u>					
Kelley R.S.	8180	4/27	3.75	0.50	3.14*
<u>BELLE FOURCHE</u>					
Bearlodge Divide	4680	4/30	4.46	1.24	2.81
Sweetwater Mountain	5860	4/30	2.00	1.88	-
Warren Peak	6520	4/27	1.00	1.00	2.06*

(NWS) National Weather Service gage  
USDA SCS PORTLAND OR 9876

† 1958-1972 period. \*Less than 15 years in period of average.







## INDEX TO WYOMING SNOW COURSES AND DATA SITES

[illegible]

# Agencies Cooperating in Wyoming Snow Surveys

## FEDERAL

U.S. Department of Agriculture  
Forest Service  
Soil Conservation Service

U.S. Department of Commerce  
NOAA, National Weather Service

U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service  
Indian Service

## STATE

State Engineer of Wyoming

University of Wyoming  
Department of Atmospheric Resources  
Department of Agricultural Engineering

## PRIVATE

Irrigation Districts  
Greybull Valley Irrigation District  
Wheatland Irrigation District

Conservation Districts  
Big Piney  
Big Sandy  
Bridger Valley  
Clearwater  
Cody  
Dubois-Crowheart  
Greybull-Shell  
Lake DeSmet  
LaPrele-Glenrock  
Laramie Rivers  
Lincoln  
Little Snake River  
Medicine Bow  
Pinedale  
Platte County  
Powder River  
Powell-Clarks Fork  
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